

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

YEAR

**January****2013**

TO: Hydrologic Information Center, W/OS31  
 NOAA's National Weather Service  
 1325 East West Highway  
 Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

**February 15, 2013**

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

**X** An X inside this box indicates that no flooding occurred within this hydrologic service area.

Early in January (3<sup>rd</sup>-4<sup>th</sup>), a winter storm produced snowfall that ranged from as much as six inches depth in Water Valley to half an inch depth in Hawley and Brady. Water equivalent estimates ranged from 0.62 of an inch at Water Valley to 0.10 of an inch at Brady. Generally, the snowfall was wide-spread within the Interstate 10 and Interstate 20 corridor.

From January 8<sup>th</sup>-9<sup>th</sup>, a storm system moved across northern Mexico then lifted north across west-central Texas on the 10<sup>th</sup>. This system produced thunderstorms and rain showers across the region. The heaviest rainfall amounts (1.5 to 2.5 inches) occurred over portions of Brown, Coleman, San Saba, McCulloch, Menard and Mason Counties.

An upper level high pressure system settled in over much of Texas during the remainder of the month. This system produced unseasonably warm and dry conditions over the west central Texas.

The average precipitation reported from coop observers in January was 1.69 inches. The highest monthly total of 2.86 inches was reported in San Saba County. Coop observers in Brown and San Saba Counties received over 2.5 inches of rain in January.

The San Angelo Regional Airport reported 1.43 inches of precipitation during January, which was 0.50 of an inch above normal for the month. The monthly normal rainfall for San Angelo in January is 0.93 of an inch.

The Abilene Regional Airport received 1.31 inches of precipitation during January, which was 0.29 inches above normal for the month. The monthly normal rainfall for Abilene in December is 1.02 inches.

Junction received 1.54 inches of precipitation during January. The estimated average monthly rainfall in January is 0.86 of an inch.

**Hydro Products Issued**

ESF = 2 (Probabilistic Forecasts)

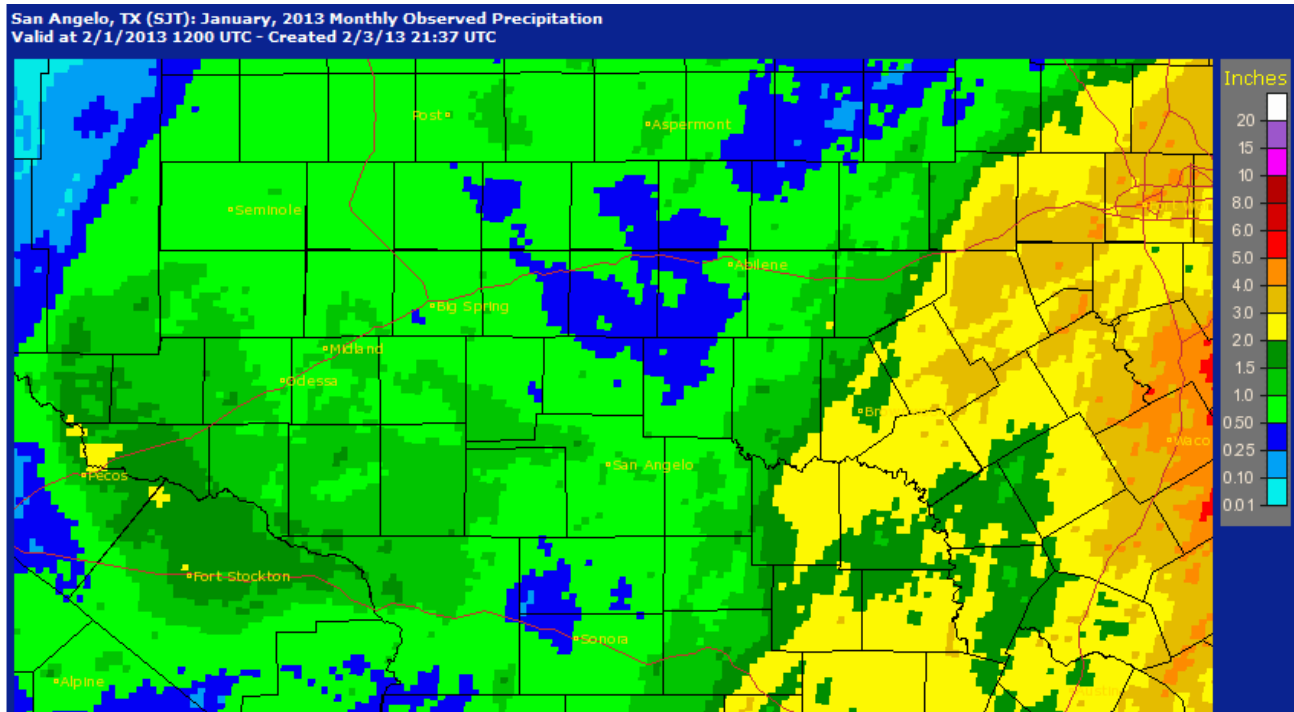
**Coop Observer Rainfall Totals for January, 2013:**

Station Name	Amount (in)		Station Name	Amount (in)
Abilene	1.56		Menard	1.58
Acton Ranch	1.09		Mertzon 12WNW	1.49
Albany	1.37		Ozona	1.34
Anson	1.80		Ozona 22SE	1.41
Ballinger 2NW	1.63		Putnam	2.30
Brady	2.25		Red Bluff Crossing	2.86
Brownwood	2.72		Robert Lee	1.74
Burkett	2.15		Roscoe	0.86
Coleman	1.87		Rotan	1.60
Concho Park	1.68		San Angelo WFO	1.30
Eden	1.43		San Saba 7NW	2.23
Eldorado	0.94		Santa Anna 12SSE	2.57
Ft. Griffin	1.22		Silver Valley	1.94
Ft. McKavett	1.89		Sonora	1.72
Glen Cove 2NE	2.07		Stamford	1.00
Hamlin	1.69		Sterling City	1.21
Haskell	1.10		Taylor Ranch	2.46
Hords Creek	1.88		Throckmorton 7NE	1.15
Junction 4SSW	1.52		Water Valley	1.53
London 3N	0.81		Water Valley 11NE	2.01
Mason	2.45		Woodson	1.47

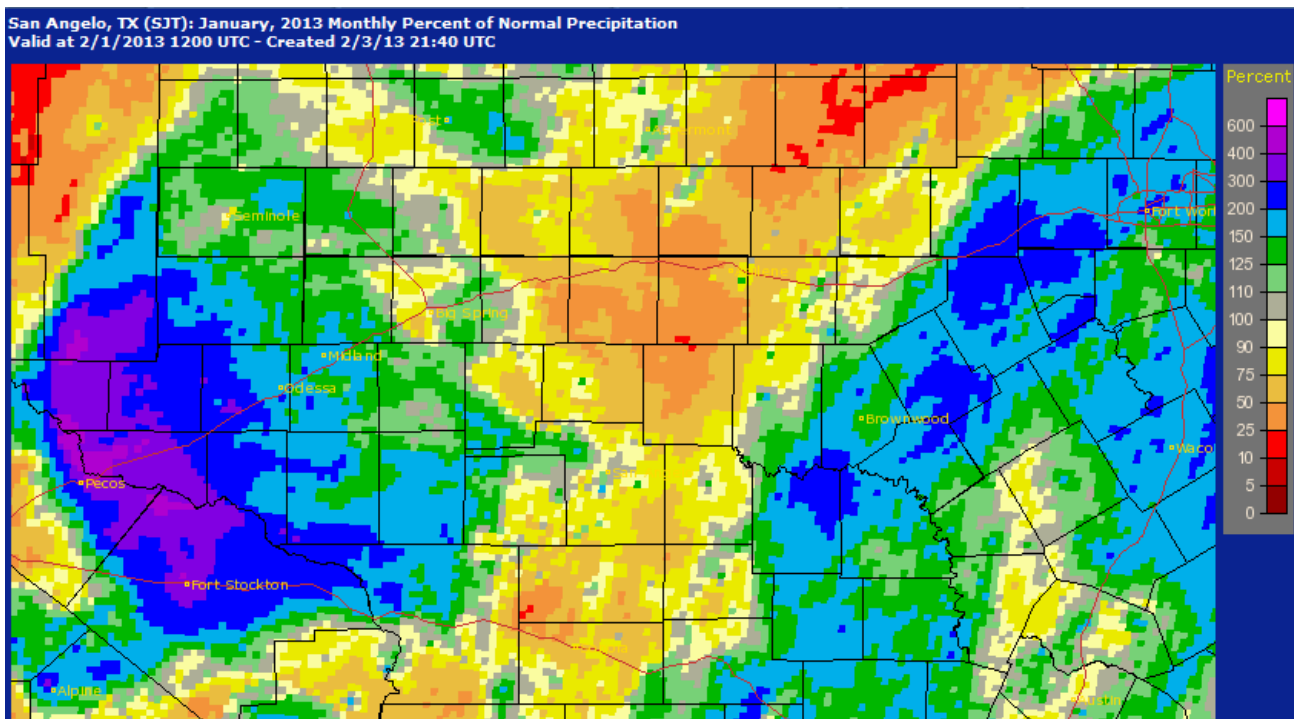
The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for January across the San Angelo HSA is depicted below.

### January 2013, Observed Precipitation

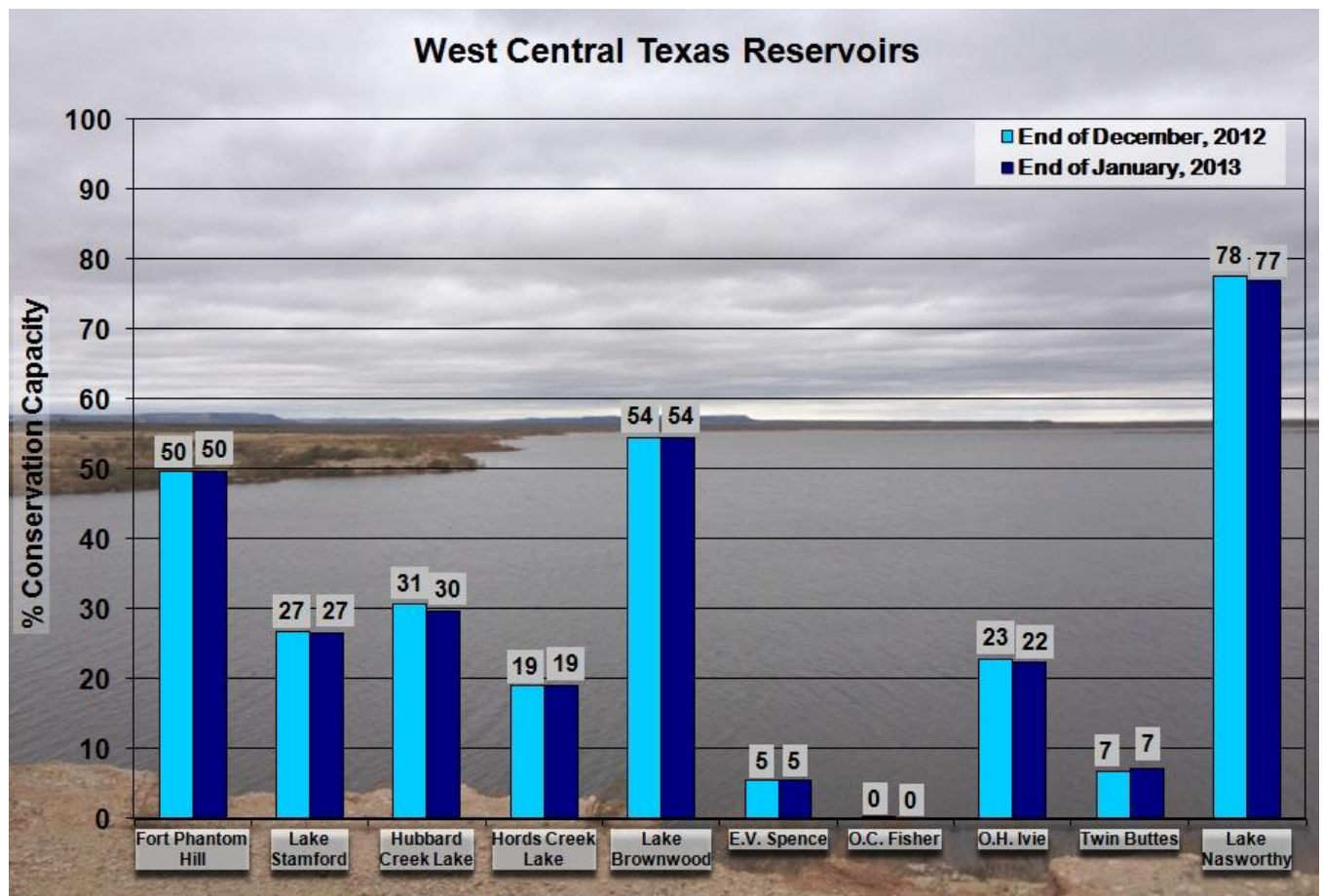


### January 2013, Percent of Normal Precipitation



### Reservoir Conditions (end of January, 2013)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	34,840	50
Lake Stamford	52,700	13,670	27
Hubbard Creek Lake	317,800	94,630	30
Hords Creek Lake	8,800	1,270	19
Lake Brownwood	131,428	71,610	54
E.V. Spence	488,760	28,160	5
O.C. Fisher	119,200	0	0
O.H. Ivie	554,340	123,680	22
Twin Buttes	177,800	12,700	7

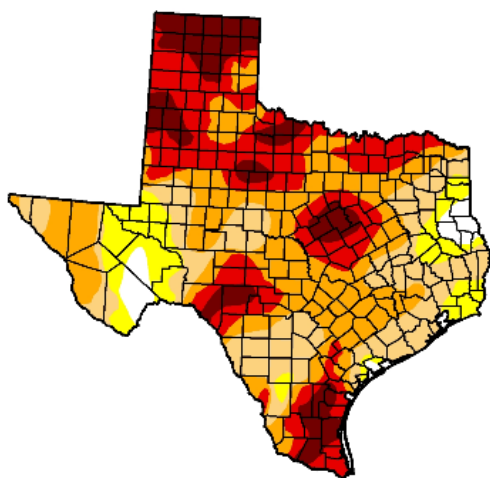


The U.S. Drought Monitor depicted severe to exceptional drought conditions across the northern Big Country and severe to extreme drought conditions across the northern Edwards Plateau and northwest Hill Country. The remainder of the San Angelo HSA was experiencing moderate to severe drought conditions.

#### Drought Monitor Archives

Maps	Tables	Animations	1999 Archive	GIS Data
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Texas	<b>Drought Severity</b> <span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; border: 1px solid black;"></span> D0 - Abnormally Dry <span style="display: inline-block; width: 15px; height: 15px; background-color: orange; border: 1px solid black;"></span> D1 Drought - Moderate <span style="display: inline-block; width: 15px; height: 15px; background-color: #ff8c00; border: 1px solid black;"></span> D2 Drought - Severe <span style="display: inline-block; width: 15px; height: 15px; background-color: red; border: 1px solid black;"></span> D3 Drought - Extreme <span style="display: inline-block; width: 15px; height: 15px; background-color: darkred; border: 1px solid black;"></span> D4 Drought - Exceptional				
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January 1, 2013



January 29, 2013



Week	Nothing	D0-D4	D1-D4	D2-D4	D3-D4	D4
January 1, 2013	3.04	96.96	87.00	65.39	35.03	11.96
January 29, 2013	10.38	89.62	76.15	51.20	22.12	6.57